

HEALTH  
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CHESTERTON RURAL DISTRICT

in the

Administrative County of Cambridgeshire

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# ANNUAL REPORT

of the

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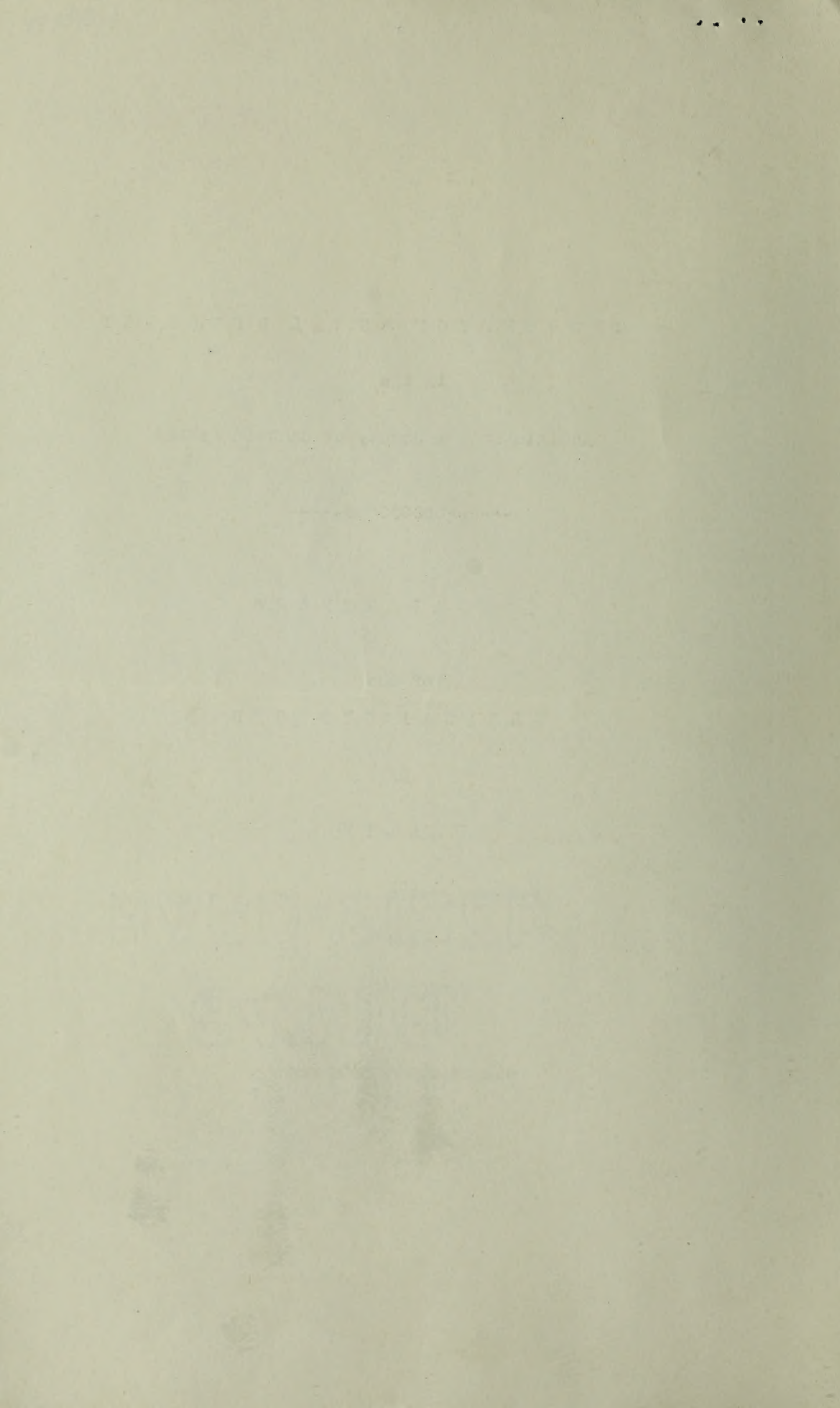
of

H E A L T H

for

1943

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CHESTERTON RURAL DISTRICT COUNCIL

Public Health Department,  
County Hall,  
Hobson Street,  
Cambridge.

June, 1944

To the Chairman and Members of the  
Chesterton Rural District Council.

Ladies and Gentlemen,

I present for your consideration my Annual Report for the Year 1943 on the Health, Sanitary Conditions and Vital Statistics of the Chesterton Rural District. There are no immediately urgent matters to which it is necessary to draw attention. The general health of the population has been well maintained.

ARTHUR MORGAN

Medical Officers of Health.





General Statistics and Social Conditions

|   |          |        |
|---|----------|--------|
| Area  | 111,692  | acres  |
| Number of Parishes                                      | 53       |        |
| Rateable Value  | £136,215 |        |
| Sum represented by a Penny Rate                         | £550     | aprox. |
| Number of inhabitable houses<br>according to rate books | 10,097   |        |

The District is agricultural in character and the principal occupations are those associated with farming, fruit growing, jam making etc.

Extracts from Vital Statistics for the Year.

|                |       |      |        |
|----------------|-------|------|--------|
| Live Births :- | Total | Male | Female |
| Legitimate     | 515   | 256  | 259    |
| Illegitimate   | 25    | 10   | 15     |
| Totals         | 540   | 266  | 274    |

Birth Rate per thousand estimated population 15.8  
 " " " " population (England & Wales) 16.5

|                |       |      |        |
|----------------|-------|------|--------|
| Stillbirths :- | Total | Male | Female |
| Legitimate     | 19    | 14   | 5      |
| Illegitimate   | 1     | -    | 1      |
|                | 20    | 14   | 6      |

Rate per thousand total (live and stillbirths) ..... 35.7

|          |       |      |        |
|----------|-------|------|--------|
| Deaths - | Total | Male | Female |
| - .....  | 355   | 176  | 179    |

Death Rate per thousand estimated population ..... 10.4  
 " " " " population (England & Wales) 12.1

Deaths from Puerperal Causes :-

|                            |     |
|----------------------------|-----|
| (a) Puerperal Sepsis       | Nil |
| (b) Other Puerperal Causes | Nil |

Rate per thousand total (live and stillbirths) .... Nil

Deaths of infants under one year of age:-

|              |       |      |        |
|--------------|-------|------|--------|
|              | Total | Male | Female |
| Legitimate   | 12    | 8    | 4      |
| Illegitimate | 3     | 1    | 2      |
| Totals       | 15    | 9    | 6      |

(cont. over)



Death Rate of infants under one year of age:-

|  |       |
|--|-------|
| All infants per thousand live births                       | 27.8  |
| Legitimate infants per thousand legitimate live births     | 23.3  |
| Illegitimate infants per thousand illegitimate live births | 120.0 |

|                                       |     |
|---------------------------------------|-----|
| Deaths from Cancer (all ages)         | 64  |
| Deaths from Measles (all ages)        | Nil |
| Deaths from Whooping Cough (all ages) | Nil |
| Deaths from Influenza (all ages)      | 9   |
| Deaths from Diarrhoea (under 2 years) | 1   |

Birth and Death Rates for the last five years:-

|            | 1938 | 1939 | 1940 | 1941 | 1942 |
|------------|------|------|------|------|------|
| Birth Rate | 12.5 | 13.7 | 12.0 | 12.5 | 16.6 |
| Death Rate | 10.4 | 12.6 | 15.8 | 14.1 | 11.6 |

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

Public Health Officers of the Authority:-

Medical Officer of Health - A whole time Officer who also acts for two other Rural Districts in the County.

Sanitary Inspectors - Normally the staff consists of a Chief Sanitary Inspector and two others. The two Additional Inspectors, however, are both serving with H.M. Forces and the temporary Assistant Inspector has left the service of the Council. The Chief Inspector (Mr. E.B. Newman, M.S.I.A., A.M.I.S.E.) is therefore working single-handed.

Laboratory Facilities:-

Chemical analyses and bacteriological examinations of water etc. are made by the Public Analyst at Cambridge. Specimens for bacteriological examination in connection with infectious diseases are sent to the Emergency Public Health laboratory Cambridge. Samples of milk are examined at the School of Agriculture, University of Cambridge.

Ambulance Facilities:-

The services of the Red Cross or Police ambulances at Cambridge can be obtained when required for cases of accident or serious illness. Cases of infectious disease are removed by the ambulance from the Borough Isolation Hospital.

Hospitals:-

Cases of infectious diseases are treated at the Cambridge Borough Isolation Hospital by agreement. The Oakington Isolation Hospital was closed in February 1938 and has since been taken over by the Cambridgeshire County Council for use as a Smallpox Hospital.

So far as General Hospitals are concerned, Addenbrookes Hospital, Cambridge deals with the majority of cases from this area.

The only Hospitals in the area are the Mental Hospital at Fulbourn and that for the treatment of Tuberculosis in connection with Papworth Colony.



Nursing in the Home:-

No alteration.

Clinics and Treatment Centres:-

No alteration.

SANITARY INSPECTION OF THE AREA

The following is a Summary of the inspections carried out during 1943 and represents the work of the Chief Sanitary Inspector only:-

|  | 1943  |
|--|-------|
| Total inspections recorded               | 2,216 |
| Inspections under Milk and Dairies Order | 512   |
| Slaughterhouse inspections               | 7     |
| Bakehouse Inspections                    | 69    |
| Infectious cases removed                 | 42    |
| Houses fumigated                         | 76    |
| Samples of Water taken                   | 63    |
| Inspection of Food Premises              | 213   |
| Inspections under the Factories Acts     | 93    |
| Visits re complaints                     | 475   |
| Inspections under the Housing Acts       | 237   |
| Schools inspected                        | 19    |
| Miscellaneous Visits                     | 410   |

HOUSING

Number of houses erected by the Local Authority - nil  
(the erection of 12 cottages for rural workers was commenced during the year under review).

Number of houses built, or in course of erection by private enterprise 4

Number of houses repaired by means of grants under the Housing (Rural Workers) Acts nil.

Summary of action taken under the Housing Acts during the year:-

|                                 |     |
|---------------------------------|-----|
| Houses inspected                | 209 |
| Re-inspections made             | 28  |
| Demolition Orders made          | nil |
| Houses demolished               | 3   |
| Undertakings (Sec. 11) Accepted | 2   |
| Houses made fit                 | 12  |

Since the passing of the Housing Act 1930 the following action has been taken:-

|  |     |
|--|-----|
| Houses demolished  | 377 |
| " " (Voluntarily)  | 8   |
| Houses in respect of which undertakings (Sec. 11) have been accepted | 51  |
| Houses (or parts) closed   | 4   |
| Houses made fit by formal action                                     | 15  |
| Houses made fit by informal action                                   | 482 |

(Note: These figures are totals up to 31/4/44.)



Owing to the scarcity of building labour in the rural areas very little progress has been made with the general repair of houses during the year, and action has for the most part been confined to essential maintenance work. In fact, action has been taken more often under the Public Health Act rather than under the Housing Acts. It should be also noted that owing to staff shortage much repair work carried out as a result of informal action has gone unrecorded.

In October a survey of all working class houses in poor condition was commenced with the object of ascertaining the likely programme of demolition or reconditioning in connection with Post War Planning. Progress in this connection of necessity be slow with the present available staff. must

#### WATER SUPPLY

Mains supplies in the Area are derived from 6 waterworks, i.e., three works owned by the Council, two private Companies and one Joint Water board. Of the 53 Parishes in the area, 35 have a constant piped supply in some form or another, two additional parishes (Caldecote and Quy) being supplied during the year. The following parishes are in urgent need of an improved supply and a shortage is anticipated in the coming Summer months.

Croxton.  
Eltisley  
Graveley

Hardwick  
Lolworth  
Papworth St. Agnes.

Steps are being taken to provide an improved supply to Graveley and water is being carted to part of Hardwick parish.

#### Chlorination.

With the exception of two works serving single parishes, all mains supplies are chlorinated.

#### Sampling

The public supplies are regularly sampled for chemical analysis and bacteriological examination. The results have been satisfactory throughout the year.

Samples taken for Analysis (Public and Private Supplies):-

|                             |    |
|-----------------------------|----|
| Samples report satisfactory | 49 |
| Samples reported unfit      | 5  |

#### SWIMMING BATHS AND POOLS

There are no public or privately owned baths or pools in the District which are open to the public.

#### SHOPS ACT, 1934.

There are 287 shops of various categories on the register and more than half are in conjunction with private dwellinghouses. In these cases the available sanitary accommodation serves both premises. Steps are taken to ensure that, as far as possible, the provisions of the Act are complied with. 176 visits to shops were recorded during the year and no certificates of exemption from the provision of sanitary conveniences were issued.

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## MOVEABLE DWELLINGS AND CAMPING SITES

There is a fairly large seasonal influx of caravan-dwellers into the area during the fruit picking season, but their stay is of short duration, and although no licences are required the sites are visited. No applications for licences were received during the year.

## ERADICATION OF BED BUGS AND OTHER VERMIN

The District remains reasonably free from infestation and few complaints have been received. The incidence of Scabies was extremely small and little action was necessary during the year. Where premises are found to be infested with bugs, the remedy found to be most effective is treatment of all woodwork with Zaldecide and/or subsequent fumigation with block disinfectators of the sulphur type. Where special difficulties arise the employment of a firm specialising in the use of Hydrogen Cyanide is advised.

|   |    |
|---|----|
| Visits and enquiries re verminous persons or premises | 43 |
| Premises fumigated for Bugs                           | 19 |
| " " " Fleas   | 1  |
| " " " Cockroaches                                     | 1  |
| " " " Scabies   | 1  |

Arrangements have been made with the Cambridgeshire County Council for the reception and treatment of verminous persons or bedding etc. at the County Infirmary.

## RODENT DESTRUCTION.

Under the new Infestation Order, 1943 the Council is responsible for the destruction of rats and mice on non-agricultural premises, and a comprehensive survey of the area was carried out as directed by the Ministry of Food. Steps are being taken to secure the services of two whole-time ratcatchers. The County Council remain the authority under the Rats and Mice (Destruction) Acts, and the War Agricultural Committee is carrying out work on agricultural premises. It will be seen therefore that from an administration point of view the position is somewhat confused.

## DRAINAGE AND CLOSET ACCOMMODATION

|                                      |    |
|--------------------------------------|----|
| House drains new or repaired         | 19 |
| Closet Accommodation new or improved | 11 |

Frequent visits have been paid to the sewage disposal plants on military sites and in two cases new plants were installed as a result of informal action by the Department.

## SCHOOLS

As a result of the survey of Schools carried out in 1942 improvements have been effected in a number of cases. Negotiations are in progress for improvements at certain other Schools.

|                                  |    |
|----------------------------------|----|
| No. of visits to Schools         | 19 |
| Heating arrangements improved    | 1  |
| Additional ground space provided | 1  |
| Improved water supply            | 1  |



## SCAVENGING

Little alteration has taken place during the year. 23 parishes now have some form of collection, but with the exception of Histon and Impington which have a weekly general collection, improvement is very desirable especially in the more Urban parishes.

### General House Refuse.

|   |   |
|---|---|
| No. of parishes with Weekly collection      | 2 |
| No. of parishes with Fortnightly collection | 1 |

### Unburnable Refuse

|  |   |
|--|---|
| No. of parishes with Fortnightly collection          | 1 |
| No. of parishes with Monthly collection              | 4 |
| No. of parishes with Quarterly collection            | 7 |
| No. of parishes with $\frac{1}{2}$ yearly collection | 4 |
| No. of parishes with Annual collection               | 4 |

Disposal is by controlled tipping. The Department is not responsible for the collection of Salvage.

In one large parish the collection of night soil from houses with limited ground space is undertaken by private contract.

Arrangements have been made whereby cesspools can be emptied mechanically by private contract.

## INSPECTION OF FOOD AND SUPERVISION OF FOOD PREMISES

### Milk Supply

A good proportion of the Inspector's time has been devoted to inspections under the Milk and Dairies Orders, and as will be seen from the appended table, improvements in the structural condition of cowsheds and dairies continue to be made. The conditions under which milk is produced still leave much to be desired and satisfactory improvement can only be effected by the introduction of stronger legislation. It is very desirable that the Local Authority should have some discretion in the registration of milk producers, and definite standards of cleanliness prescribed for both milk and utensils.

|   |     |
|---|-----|
| Wholesale Producers registered            | 197 |
| Retail Producers registered               | 60  |
| Wholesale and Retail Producers registered | 26  |
| Retail Purveyors only                     | 9   |

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292

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The Cambridgeshire County Council administer the Milk (Special Designations) Orders and included in the above figures are 87 "Accredited" producers and 19 holding "Tuberculin-Tested" licences

|                         |     |
|-------------------------|-----|
| Inspections carried out | 512 |
| Informal Notices served | 193 |



Since the introduction of the National Milk Testing and Advisory Scheme a high proportion of milk produced is frequently sampled and sampling by the Public Health Department is only carried out for special investigations.

Improvements carried out as a result of informal action:-

|                                  |    |
|----------------------------------|----|
| New Cowsheds constructed         | 13 |
| Cowsheds improved                | 8  |
| New drainage                     | 8  |
| Yards improved                   | 5  |
| New sterilizers installed        | 2  |
| Water laid on or supply improved | 5  |
| New Dairies built                | 16 |
| Dairies improved                 | 1  |
| New Coolers provided             | 5  |

#### BAKEHOUSES

|                       |    |
|-----------------------|----|
| No. on register       | 24 |
| Inspections made      | 69 |
| Notices served        | 2  |
| Notices complied with | 2  |

Improvements effected:-

|                       |   |
|-----------------------|---|
| Water laid on         | 1 |
| New sink and drainage | 2 |
| Improved water supply | 1 |
| New dough machine     | 1 |

#### Preserved Food Premises

|                  |    |
|------------------|----|
| No. on register  | 29 |
| Inspections made | 21 |

Cleansing and limewashing were carried out without the service of notices and most premises are very little used at present.

A new sewage disposal plant was installed at one large cooking centre during the year.

#### Meat and Other Foods

In 1939 the number of slaughterhouses in the area was as follows:-

|                            |    |
|----------------------------|----|
| Licensed Slaughterhouses   | 8  |
| Registered Slaughterhouses | 22 |
| Knackers Yards             | 2  |

The operation of the Food and Drugs Act, 1938 with regard to these premises was suspended in view of the Livestock (Restriction on Slaughtering) Order, 1940 under which all private slaughtering in the area was discontinued. All meat at the present time comes from Government slaughterhouses and Depots in Cambridge. The supervision of butchers premises and vehicles continues to receive attention and frequent visits are paid to butchers' shops for the purpose of examining the meat.

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It became necessary during the year to draw the attention of the authorities once more to the unsatisfactory manner in which meat was being transported to the rural areas. As a result of a conference with the Ministry of War Transport and other interested parties a considerable improvement was effected.

Slaughter of Animals Act, 1933

|                               |     |
|-------------------------------|-----|
| Licences to slaughter renewed | nil |
| New licences granted          | nil |
| Total on Register             | 31  |

Food Premises (Butchers' Shops etc.)

|             |     |
|-------------|-----|
| Visits paid | 239 |
|-------------|-----|

Offensive Trades

there

Apart from two licenced Knackers Yards are no offensive trades in the area. The knackers yards are periodically visited but little trade is carried out at the present time, and no complaints of nuisance have been received.

UN SOUND FOOD

Most of the foodstuffs condemned as unfit for human consumption were tinned goods which, owing to war time hazards and restriction on packing materials, had been damaged in transit or storage. The condemned goods were of such varied character and quantities that no useful purpose would be served in attempting to summarise the work, and, in any case, a full list would be too lengthy for this report.

Where ever possible condemned goods were utilised for animal feeding etc. under the supervision of the Food Salvage Officer.

The destination of all condemned foodstuffs consigned into the area for manufacturing or animal feeding purposes was checked.

FACTORIES (Excluding Bakehouses).

A summary of the work carried out under the Factories Acts is appended below:-

|   |     |
|---|-----|
| No. of Factories with Mechanical Power    | 43  |
| No. of Factories without mechanical power | 20  |
| Inspections carried out                   | 24  |
| Written Notices served                    | 4   |
| Notification of Outworkers received       | 2   |
| Infected premises                         | nil |

As a result of informal action new closet accommodation was provided to three premises during the year.



# PREVALENCE AND CONTROL OVER INFECTIOUS AND OTHER DISEASES

The following Table shows the number of cases notified together with the age incidence

| Disease                  | Total cases notified | At Ages - Years |    |    |    |    |    |     |     |     |     |     | Admitted to Hospital | Deaths |   |
|--------------------------|----------------------|-----------------|----|----|----|----|----|-----|-----|-----|-----|-----|----------------------|--------|---|
|                          |                      | -1              | 1- | 2- | 3- | 4- | 5- | 10- | 15- | 20- | 35- | 45- | 65-                  |        |   |
| Scarlet Fever            | 25                   |                 |    |    |    |    |    |     |     |     |     |     |                      |        |   |
| Measles                  | 108                  |                 | 2  | 9  | 1  | 11 | 9  | 11  | 2   | 2   | 2   | 1   |                      | 23     |   |
| Whooping Cough           | 38                   | 4               | 6  | 4  | 10 | 11 | 46 | 13  |     | 5   |     |     |                      | 3      |   |
| Typhoid Fever            | 1                    | 3               | 1  |    | 4  | 8  | 15 | 2   |     |     | 2   |     |                      |        |   |
| Dysentery (Flexner)      | 2                    |                 |    |    |    |    |    |     |     | 1   |     |     | 1                    | 1      |   |
| Dysentery (Shome)        | 3                    |                 |    |    |    |    |    |     |     | 1   | 1   | 1   |                      | 2      |   |
| Pneumonia                | 18                   |                 | 2  |    |    | 1  | 1  | 1   | 2   | 1   | 1   | 4   | 3                    | 5      | 4 |
| Puerperal Pyrexia        | 6                    |                 | 1  |    |    |    |    |     |     | 5   | 1   |     |                      | 1      |   |
| Erysipelas               | 6                    |                 |    |    |    |    |    |     |     |     |     | 5   |                      |        |   |
| Acute Polio-Encephalitis | 1                    |                 |    |    |    |    |    |     |     |     | 1   |     |                      |        |   |
| TOTALS                   | 218                  | 9               | 10 | 13 | 15 | 20 | 71 | 30  | 4   | 19  | 11  | 11  | 5                    | 35     | 4 |

It will be noted that no cases of Diphtheria have been notified. The arrangements for Diphtheria Immunisation outlined in my Report for 1942 have continued to function satisfactorily and at the end of 1943 it was estimated that 68% of children under 5 years of age and 64% between 5 and 15 years had been fully protected.

Diphtheria anti-toxin and material for immunisation are supplied free of charge to medical practitioners.







TUBERCULOSIS

New Cases and Mortality during 1943.

| Age<br>Periods | New Cases   |    |                 |   | Deaths      |   |                 |   |
|----------------|-------------|----|-----------------|---|-------------|---|-----------------|---|
|                | Respiratory |    | Non-Respiratory |   | Respiratory |   | Non-Respiratory |   |
|                | M           | F  | M               | F | M           | F | M               | F |
| 0.             |             |    |                 |   |             |   |                 |   |
| 1.             |             |    | 2               |   |             |   |                 |   |
| 5              |             | 1. | 2               | 5 |             |   |                 |   |
| 15             |             | 6. | 1.              |   | 1           | 1 |                 |   |
| 25             | 9           | 5  |                 | 1 | 2           | 2 |                 |   |
| 35             | 6           | 5  |                 |   | 2           |   |                 |   |
| 45             | 3           | 2  |                 |   | 2           | 3 |                 |   |
| 55             | 1           | 1  |                 |   |             |   |                 |   |
| 65 and<br>over | 1           |    |                 |   |             |   |                 |   |
| Totals         | 20          | 20 | 5               | 6 | 7           | 6 | -               | - |

There were no deaths of non-notified cases.

No action has been called for under the Public Health (Prevention of Tuberculosis) Regulations 1925, or under Sec. 172 of the Public Health Act, 1936.

(Signed)

ARTHUR MORGAN,

M.A., M.R.C.S., D.P.H.



# TABLE 1

Report on the results of the investigation of the cases of tuberculosis in the State of New York, 1933.

| Periods | New Cases | Recovery | Non-Recovery | Deaths |
|---------|-----------|----------|--------------|--------|
| 1933    | 1,000     | 800      | 200          | 100    |
| 1932    | 1,200     | 900      | 300          | 120    |
| 1931    | 1,100     | 850      | 250          | 110    |
| 1930    | 1,300     | 950      | 350          | 130    |
| 1929    | 1,400     | 1,000    | 400          | 140    |
| 1928    | 1,500     | 1,100    | 400          | 150    |
| 1927    | 1,600     | 1,200    | 400          | 160    |
| 1926    | 1,700     | 1,300    | 400          | 170    |
| 1925    | 1,800     | 1,400    | 400          | 180    |
| 1924    | 1,900     | 1,500    | 400          | 190    |
| 1923    | 2,000     | 1,600    | 400          | 200    |
| 1922    | 2,100     | 1,700    | 400          | 210    |
| 1921    | 2,200     | 1,800    | 400          | 220    |
| 1920    | 2,300     | 1,900    | 400          | 230    |
| 1919    | 2,400     | 2,000    | 400          | 240    |
| 1918    | 2,500     | 2,100    | 400          | 250    |
| 1917    | 2,600     | 2,200    | 400          | 260    |
| 1916    | 2,700     | 2,300    | 400          | 270    |
| 1915    | 2,800     | 2,400    | 400          | 280    |
| 1914    | 2,900     | 2,500    | 400          | 290    |
| 1913    | 3,000     | 2,600    | 400          | 300    |
| 1912    | 3,100     | 2,700    | 400          | 310    |
| 1911    | 3,200     | 2,800    | 400          | 320    |
| 1910    | 3,300     | 2,900    | 400          | 330    |
| 1909    | 3,400     | 3,000    | 400          | 340    |
| 1908    | 3,500     | 3,100    | 400          | 350    |
| 1907    | 3,600     | 3,200    | 400          | 360    |
| 1906    | 3,700     | 3,300    | 400          | 370    |
| 1905    | 3,800     | 3,400    | 400          | 380    |
| 1904    | 3,900     | 3,500    | 400          | 390    |
| 1903    | 4,000     | 3,600    | 400          | 400    |
| 1902    | 4,100     | 3,700    | 400          | 410    |
| 1901    | 4,200     | 3,800    | 400          | 420    |
| 1900    | 4,300     | 3,900    | 400          | 430    |
| 1899    | 4,400     | 4,000    | 400          | 440    |
| 1898    | 4,500     | 4,100    | 400          | 450    |
| 1897    | 4,600     | 4,200    | 400          | 460    |
| 1896    | 4,700     | 4,300    | 400          | 470    |
| 1895    | 4,800     | 4,400    | 400          | 480    |
| 1894    | 4,900     | 4,500    | 400          | 490    |
| 1893    | 5,000     | 4,600    | 400          | 500    |
| 1892    | 5,100     | 4,700    | 400          | 510    |
| 1891    | 5,200     | 4,800    | 400          | 520    |
| 1890    | 5,300     | 4,900    | 400          | 530    |
| 1889    | 5,400     | 5,000    | 400          | 540    |
| 1888    | 5,500     | 5,100    | 400          | 550    |
| 1887    | 5,600     | 5,200    | 400          | 560    |
| 1886    | 5,700     | 5,300    | 400          | 570    |
| 1885    | 5,800     | 5,400    | 400          | 580    |
| 1884    | 5,900     | 5,500    | 400          | 590    |
| 1883    | 6,000     | 5,600    | 400          | 600    |
| 1882    | 6,100     | 5,700    | 400          | 610    |
| 1881    | 6,200     | 5,800    | 400          | 620    |
| 1880    | 6,300     | 5,900    | 400          | 630    |
| 1879    | 6,400     | 6,000    | 400          | 640    |
| 1878    | 6,500     | 6,100    | 400          | 650    |
| 1877    | 6,600     | 6,200    | 400          | 660    |
| 1876    | 6,700     | 6,300    | 400          | 670    |
| 1875    | 6,800     | 6,400    | 400          | 680    |
| 1874    | 6,900     | 6,500    | 400          | 690    |
| 1873    | 7,000     | 6,600    | 400          | 700    |
| 1872    | 7,100     | 6,700    | 400          | 710    |
| 1871    | 7,200     | 6,800    | 400          | 720    |
| 1870    | 7,300     | 6,900    | 400          | 730    |
| 1869    | 7,400     | 7,000    | 400          | 740    |
| 1868    | 7,500     | 7,100    | 400          | 750    |
| 1867    | 7,600     | 7,200    | 400          | 760    |
| 1866    | 7,700     | 7,300    | 400          | 770    |
| 1865    | 7,800     | 7,400    | 400          | 780    |
| 1864    | 7,900     | 7,500    | 400          | 790    |
| 1863    | 8,000     | 7,600    | 400          | 800    |
| 1862    | 8,100     | 7,700    | 400          | 810    |
| 1861    | 8,200     | 7,800    | 400          | 820    |
| 1860    | 8,300     | 7,900    | 400          | 830    |
| 1859    | 8,400     | 8,000    | 400          | 840    |
| 1858    | 8,500     | 8,100    | 400          | 850    |
| 1857    | 8,600     | 8,200    | 400          | 860    |
| 1856    | 8,700     | 8,300    | 400          | 870    |
| 1855    | 8,800     | 8,400    | 400          | 880    |
| 1854    | 8,900     | 8,500    | 400          | 890    |
| 1853    | 9,000     | 8,600    | 400          | 900    |
| 1852    | 9,100     | 8,700    | 400          | 910    |
| 1851    | 9,200     | 8,800    | 400          | 920    |
| 1850    | 9,300     | 8,900    | 400          | 930    |
| 1849    | 9,400     | 9,000    | 400          | 940    |
| 1848    | 9,500     | 9,100    | 400          | 950    |
| 1847    | 9,600     | 9,200    | 400          | 960    |
| 1846    | 9,700     | 9,300    | 400          | 970    |
| 1845    | 9,800     | 9,400    | 400          | 980    |
| 1844    | 9,900     | 9,500    | 400          | 990    |
| 1843    | 10,000    | 9,600    | 400          | 1,000  |
| 1842    | 10,100    | 9,700    | 400          | 1,010  |
| 1841    | 10,200    | 9,800    | 400          | 1,020  |
| 1840    | 10,300    | 9,900    | 400          | 1,030  |
| 1839    | 10,400    | 10,000   | 400          | 1,040  |
| 1838    | 10,500    | 10,100   | 400          | 1,050  |
| 1837    | 10,600    | 10,200   | 400          | 1,060  |
| 1836    | 10,700    | 10,300   | 400          | 1,070  |
| 1835    | 10,800    | 10,400   | 400          | 1,080  |
| 1834    | 10,900    | 10,500   | 400          | 1,090  |
| 1833    | 11,000    | 10,600   | 400          | 1,100  |
| 1832    | 11,100    | 10,700   | 400          | 1,110  |
| 1831    | 11,200    | 10,800   | 400          | 1,120  |
| 1830    | 11,300    | 10,900   | 400          | 1,130  |
| 1829    | 11,400    | 11,000   | 400          | 1,140  |
| 1828    | 11,500    | 11,100   | 400          | 1,150  |
| 1827    | 11,600    | 11,200   | 400          | 1,160  |
| 1826    | 11,700    | 11,300   | 400          | 1,170  |
| 1825    | 11,800    | 11,400   | 400          | 1,180  |
| 1824    | 11,900    | 11,500   | 400          | 1,190  |
| 1823    | 12,000    | 11,600   | 400          | 1,200  |
| 1822    | 12,100    | 11,700   | 400          | 1,210  |
| 1821    | 12,200    | 11,800   | 400          | 1,220  |
| 1820    | 12,300    | 11,900   | 400          | 1,230  |
| 1819    | 12,400    | 12,000   | 400          | 1,240  |
| 1818    | 12,500    | 12,100   | 400          | 1,250  |
| 1817    | 12,600    | 12,200   | 400          | 1,260  |
| 1816    | 12,700    | 12,300   | 400          | 1,270  |
| 1815    | 12,800    | 12,400   | 400          | 1,280  |
| 1814    | 12,900    | 12,500   | 400          | 1,290  |
| 1813    | 13,000    | 12,600   | 400          | 1,300  |
| 1812    | 13,100    | 12,700   | 400          | 1,310  |
| 1811    | 13,200    | 12,800   | 400          | 1,320  |
| 1810    | 13,300    | 12,900   | 400          | 1,330  |
| 1809    | 13,400    | 13,000   | 400          | 1,340  |
| 1808    | 13,500    | 13,100   | 400          | 1,350  |
| 1807    | 13,600    | 13,200   | 400          | 1,360  |
| 1806    | 13,700    | 13,300   | 400          | 1,370  |
| 1805    | 13,800    | 13,400   | 400          | 1,380  |
| 1804    | 13,900    | 13,500   | 400          | 1,390  |
| 1803    | 14,000    | 13,600   | 400          | 1,400  |
| 1802    | 14,100    | 13,700   | 400          | 1,410  |
| 1801    | 14,200    | 13,800   | 400          | 1,420  |
| 1800    | 14,300    | 13,900   | 400          | 1,430  |
| 1799    | 14,400    | 14,000   | 400          | 1,440  |
| 1798    | 14,500    | 14,100   | 400          | 1,450  |
| 1797    | 14,600    | 14,200   | 400          | 1,460  |
| 1796    | 14,700    | 14,300   | 400          | 1,470  |
| 1795    | 14,800    | 14,400   | 400          | 1,480  |
| 1794    | 14,900    | 14,500   | 400          | 1,490  |
| 1793    | 15,000    | 14,600   | 400          | 1,500  |
| 1792    | 15,100    | 14,700   | 400          | 1,510  |
| 1791    | 15,200    | 14,800   | 400          | 1,520  |
| 1790    | 15,300    | 14,900   | 400          | 1,530  |
| 1789    | 15,400    | 15,000   | 400          | 1,540  |
| 1788    | 15,500    | 15,100   | 400          | 1,550  |
| 1787    | 15,600    | 15,200   | 400          | 1,560  |
| 1786    | 15,700    | 15,300   | 400          | 1,570  |
| 1785    | 15,800    | 15,400   | 400          | 1,580  |
| 1784    | 15,900    | 15,500   | 400          | 1,590  |
| 1783    | 16,000    | 15,600   | 400          | 1,600  |
| 1782    | 16,100    | 15,700   | 400          | 1,610  |
| 1781    | 16,200    | 15,800   | 400          | 1,620  |
| 1780    | 16,300    | 15,900   | 400          | 1,630  |
| 1779    | 16,400    | 16,000   | 400          | 1,640  |
| 1778    | 16,500    | 16,100   | 400          | 1,650  |
| 1777    | 16,600    | 16,200   | 400          | 1,660  |
| 1776    | 16,700    | 16,300   | 400          | 1,670  |
| 1775    | 16,800    | 16,400   | 400          | 1,680  |
| 1774    | 16,900    | 16,500   | 400          | 1,690  |
| 1773    | 17,000    | 16,600   | 400          | 1,700  |
| 1772    | 17,100    | 16,700   | 400          | 1,710  |
| 1771    | 17,200    | 16,800   | 400          | 1,720  |
| 1770    | 17,300    | 16,900   | 400          | 1,730  |
| 1769    | 17,400    | 17,000   | 400          | 1,740  |
| 1768    | 17,500    | 17,100   | 400          | 1,750  |
| 1767    | 17,600    | 17,200   | 400          | 1,760  |
| 1766    | 17,700    | 17,300   | 400          | 1,770  |
| 1765    | 17,800    | 17,400   | 400          | 1,780  |
| 1764    | 17,900    | 17,500   | 400          | 1,790  |
| 1763    | 18,000    | 17,600   | 400          | 1,800  |
| 1762    | 18,100    | 17,700   | 400          | 1,810  |
| 1761    | 18,200    | 17,800   | 400          | 1,820  |
| 1760    | 18,300    | 17,900   | 400          | 1,830  |
| 1759    | 18,400    | 18,000   | 400          | 1,840  |
| 1758    | 18,500    | 18,100   | 400          | 1,850  |
| 1757    | 18,600    | 18,200   | 400          | 1,860  |
| 1756    | 18,700    | 18,300   | 400          | 1,870  |
| 1755    | 18,800    | 18,400   | 400          | 1,880  |
| 1754    | 18,900    | 18,500   | 400          | 1,890  |
| 1753    | 19,000    | 18,600   | 400          | 1,900  |
| 1752    | 19,100    | 18,700   | 400          | 1,910  |
| 1751    | 19,200    | 18,800   | 400          | 1,920  |
| 1750    | 19,300    | 18,900   | 400          | 1,930  |
| 1749    | 19,400    | 19,000   | 400          | 1,940  |
| 1748    | 19,500    | 19,100   | 400          | 1,950  |
| 1747    | 19,600    | 19,200   | 400          | 1,960  |
| 1746    | 19,700    | 19,300   | 400          | 1,970  |
| 1745    | 19,800    | 19,400   | 400          | 1,980  |
| 1744    | 19,900    | 19,500   | 400          | 1,990  |
| 1743    | 20,000    | 19,600   | 400          | 2,000  |
| 1742    | 20,100    | 19,700   | 400          | 2,010  |
| 1741    | 20,200    | 19,800   | 400          | 2,020  |
| 1740    | 20,300    | 19,900   | 400          | 2,030  |
| 1739    | 20,400    | 20,000   | 400          | 2,040  |
| 1738    | 20,500    | 20,100   | 400          | 2,050  |
| 1737    | 20,600    | 20,200   | 400          | 2,060  |
| 1736    | 20,700    | 20,300   | 400          | 2,070  |
| 1735    | 20,800    | 20,400   | 400          | 2,080  |
| 1734    | 20,900    | 20,500   | 400          | 2,090  |
| 1733    | 21,000    | 20,600   | 400          | 2,100  |
| 1732    | 21,100    | 20,700   | 400          | 2,110  |
| 1731    | 21,200    | 20,800   | 400          | 2,120  |
| 1730    | 21,300    | 20,900   | 400          | 2,130  |
| 1729    | 21,400    | 21,000   | 400          | 2,140  |
| 1728    | 21,500    | 21,100   | 400          | 2,150  |
| 1727    | 21,600    | 21,200   | 400          | 2,160  |
| 1726    | 21,700    | 21,300   | 400          | 2,170  |
| 1725    | 21,800    | 21,400   | 400          | 2,180  |
| 1724    | 21,900    | 21,500   | 400          | 2,190  |
| 1723    | 22,000    | 21,600   | 400          | 2,200  |
| 1722    | 22,100    | 21,700   | 400          | 2,210  |
| 1721    | 22,200    | 21,800   | 400          | 2,220  |
| 1720    | 22,300    | 21,900   | 400          | 2,230  |
| 1719    | 22,400    | 22,000   | 400          | 2,240  |
| 1718    | 22,500    | 22,100   | 400          | 2,250  |
| 1717    | 22,600    | 22,200   | 400          | 2,260  |
| 1716    | 22,700    | 22,300   | 400          | 2,270  |
| 1715    | 22,800    | 22,400   | 400          | 2,280  |
| 1714    | 22,900    | 22,500   | 400          | 2,290  |
| 1713    | 23,000    | 22,600   | 400          | 2,300  |
| 1712    | 23,100    | 22,700   | 400          | 2,310  |
| 1711    | 23,200    | 22,800   | 400          | 2,320  |
| 1710    | 23,300    | 22,900   | 400          | 2,330  |
| 1709    | 23,400    | 23,000   | 400          | 2,340  |
| 1708    | 23,500    | 23,100   | 400          | 2,350  |
| 1707    | 23,600    | 23,200   | 400          | 2,360  |
| 1706    | 23,700    | 23,300   | 400          | 2,370  |
| 1705    | 23,800    | 23,400   |              |        |